



## **ONLINE satellite images and educational material: the Danish Galathea 3 world expedition under and after**

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## **ONLINE satellite images and educational material: the Danish Galathea 3 world expedition under and after**

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Students and teachers may use ONLINE satellite image in the classroom. Images have been archived since August 2006 and the archive is updated every day since. This means that series of nearly four years of daily global images are available online. The parameters include ocean surface temperature, sea level anomaly, ocean wave height, ocean winds, global ozone in the atmosphere and clouds, and sea ice in the Arctic and Antarctica. During the Galathea 3 expedition that took place from August 2006 to April 2007 also many other high-resolution (local to regional) satellite images were acquired and stored in the archive. However after the end of the expedition only global satellite data are collected and stored. Use Google Earth at [http://galathea.dtu.dk/GE\\_e.html](http://galathea.dtu.dk/GE_e.html) to access the images. The expedition included 50 science projects and based on this educational material has been developed. There are around 20 educational projects in English at [http://galathea3.emu.dk/satelliteeye/index\\_uk.html](http://galathea3.emu.dk/satelliteeye/index_uk.html) and 90 in Danish at <http://vg3.dk/> freely available based on the science. All the educational projects in English deal with satellite image analysis and information. In addition, the short educational film (15min) for students and teachers at higher upper level on the use of satellite images during the expedition and in some science projects onboard is available in English. The film is called 'Galathea's Eye' and is available at <http://virtuelgalathea3.dk/om/videoer>. All projects in English were developed in the 'Satellite Eye for Galathea 3' project supported by Egmontfonden and ESA Eduspace. The satellite images were mainly from ESA and Eduspace. The Danish projects are supported also by Tips og Lottopuljen of Ministry of Education.